

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Cancelled)

2. (Currently Amended) A transmission method of digital broadcasting ~~according to Claim 1, for transmitting program data including at least one of digital audio data and digital video data multiplexed with other information, the method comprising the steps of:~~

multiplexing the program data, download data corresponding to the program data, and reference information correlating the download data and the program data to produce multiplexed signals; and

transmitting those multiplexed signals by a specific frequency band, wherein
the reference information includes at least pointer information for specifying the download data.

3. (Original) A transmission method of digital broadcasting according to Claim 2, wherein the reference information further includes effective period information during which the pointer information is effective.

4. (Currently Amended) A transmission method of digital broadcasting

according to Claim 2, wherein the reference information further includes ID information of a frequency band over which the pointer information is effective.

5. (Currently Amended) A transmission method of digital broadcasting ~~according to Claim 1, for transmitting program data including at least one of digital audio data and digital video data multiplexed with other information, the method comprising the steps of:~~

multiplexing the program data, download data corresponding to the program data, and reference information correlating the download data and the program data to produce multiplexed signals; and

transmitting those multiplexed signals by a specific frequency band, wherein
the download data is transmitted later than the program data correlated by the reference information.

6. (Currently Amended) A transmission method of digital broadcasting ~~according to Claim 1, for transmitting program data including at least one of digital audio data and digital video data multiplexed with other information, the method comprising the steps of:~~

multiplexing the program data, download data corresponding to the program data, and reference information correlating the download data and the program data to produce multiplexed signals; and

transmitting those multiplexed signals by a specific frequency band, wherein

the download data is transmitted repeatedly during the period extending over the end time of the program data correlated by the reference information.

7. (Currently Amended) A transmission method of digital broadcasting according to ~~Claim 1~~ Claim 2, wherein the download data is a digital audio data file or a digital video data file.

8. (Currently Amended) A transmission method of digital broadcasting according to ~~Claim 1~~ Claim 2, wherein the reference information is transmitted as part of frames composing a transmission unit of the program data.

9. (Currently Amended) A transmission method of digital broadcasting according to ~~Claim 1~~ Claim 2, wherein the ~~[[multiplexing]]~~ multiplexed signals are the ensemble based on the EUREKA 147 Digital Audio Broadcasting (DAB) standard.

10. (Currently Amended) A transmission method of digital broadcasting according to ~~Claim 1~~ Claim 2, wherein the specific frequency band is a very high frequency band or an ultra high frequency band.

11. (Currently Amended) A digital broadcasting receiver for receiving ~~[[multiplexing]] multiplexed signals generated by multiplexing program data transmitting a program data multiplexed with other information, said program data~~ including at least one of digital audio data and digital video data, download data corresponding to the program

data, and reference information correlating the download data and the program data, and for outputting the audio data or the video data [[separating]] separated from the multiplexed signals, said receiver comprising: ~~multiplexing respective information, and~~

~~the multiplexing signals are generated by multiplexing the program data, download data corresponding to the program data, and reference information correlating the download data and the program data,~~

~~said receiver comprising:~~

a de-multiplexer for separating the multiplexed signals ~~multiplexing respective information;~~

a data decoder for extracting the download data obtained from the de-multiplexer;

a reference information decoder for extracting the reference information obtained from the de-multiplexer;

[[an]] operation input means for inputting [[the]] a download instruction of a user;

storage means for storing at least the download data; and

control means for controlling the storage means to store the download data specified by the reference information according to the instruction [[signals]] obtained from the operation input means and the reference information obtained from the reference information decoder.

12. (Original) A digital broadcasting receiver according to Claim 11, wherein the reference information includes pointer information for specifying the download data.

13. (Currently Amended) A digital broadcasting receiver according to Claim 12, wherein the reference information further includes effective period information for indicating ~~[[the]]~~ an effective period of the pointer information.

14. (Currently Amended) A digital broadcasting receiver according to Claim 12, wherein the reference information further includes ID information of ~~[[the]]~~ a frequency band over which the pointer information is effective.

15. (Currently Amended) A digital broadcasting receiver according to Claim 11, ~~which is provided with a~~ further comprising first display means for displaying whether the reference information separated by the de-multiplexer is effective or not.

16. (Currently Amended) A digital broadcasting receiver according to Claim 15, wherein the first display means displays that the reference information includes information of a non-effective period.

17. (Currently Amended) A digital broadcasting receiver according to Claim 15, wherein the first display means displays that the reference information includes ID information of a non-effective frequency band.

18. (Currently Amended) A digital broadcasting receiver according to Claim

11, ~~which is provided with a~~ further comprising second display means for displaying ~~[[the]]~~
a normal end of storing the download data in the storage means.

19. (Currently Amended) A digital broadcasting receiver according to Claim
11, ~~which is provided with a~~ further comprising second display means for displaying a
running state that the download data is being stored in the storage means.

20. (Currently Amended) A digital broadcasting receiver according to Claim
11, ~~which is provided with a~~ further comprising second display means for displaying an
error message in case where the download data is not successfully stored in the storage
means.

21. (Previously Presented) A digital broadcasting receiver according to Claim
11, wherein the storage means is a portable storage medium removable from the receiver.

22. (Cancelled)

23. (Currently Amended) A digital broadcasting station system ~~according to~~
~~Claim 22,~~ for editing program data including at least one of digital audio data and digital
video data by program editing means, and for multiplexing the program data with other
information, and then modulating and transmitting them, the system comprising:

download data preparing means for preparing download data corresponding to the
program data;

reference information preparing means for preparing reference information
correlating the download data with the program data; and

multiplexing means for multiplexing the program data, the download data and the
reference information, wherein

the reference information includes at least pointer information for specifying the
download data.

24. (Original) A digital broadcasting station system according to Claim 23, wherein
the reference information further includes effective period information during which the
pointer information is effective.

25. (Currently Amended) A digital broadcasting station system according to
Claim 23, wherein the reference information further includes ID information of [[the]] a
frequency band over which the pointer information is effective.